

DRAWINGS ATTACHED.

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COMPLETE SPECIFICATION.

Mobile Elevating Table.

We, JARKE CORPORATION, a Corporation organised under the laws of the State of Illinois, United States of America, 6333 West Howard Street, Chicago, Illinois 60648, United States of America, do hereby declare the invention, for which we pray that a patent may be granted to us, and the method by which it is to be performed, to be particularly described in and by the following statement:—

This invention relates in general to mobile elevating tables, and in particular, to mobile elevating tables which are adapted for use in handling, transporting, elevating and feeding of materials such as metal strips and bar stock to punch presses, shears, screw machines and the like.

Elevating tables of the subject type are used in various plants and factories to simplify and speed up the handling, transporting and feeding of material to punch presses, shears, screw machines and the like. These tables save time and labour, and hence, reduce manufacturing costs, by eliminating extra handling of the materials. The material is simply loaded on the elevating table, rolled to the machines and fed directly from the table to the machines. No unloading or transferring of the material is necessary. Generally, the shelf top of the tables can be raised or lowered and tilted to various angles, to suit feed requirements. The tables are also mounted on free-rolling casters so that one man can easily and safely manoeuvre a full load wherever desired.

An object of the present invention is to provide an improved mobile elevating table.

According to the present invention there is provided a mobile elevating table which comprises a table top, a pair of support columns affixed to said table top in spaced

relation and depending substantially vertically downwardly beneath said table top, a base having a pair of vertically disposed pedestals adapted to slidably receive said support columns therein, alignment means affixed to said support columns and to said pedestals for maintaining said support columns in vertical alignment, a drive assembly in each of said pedestals and affixed to said support columns for vertically adjusting the height thereof, means for operating said assemblies, and frictional means for preventing said table top from free-falling when loaded.

The invention will be further described, by way of example, with reference to the accompanying drawings in which:

Fig. 1 is a perspective view partially exploded and partially broken away, of a mobile elevating table, exemplary of the invention;

Fig. 2 is a side elevation of the elevating table of Fig. 1;

Fig. 3 is an end elevation of the elevating table of Fig. 1;

Fig. 4 is an exploded perspective view illustrating the manner in which the vertical pedestal member and the horizontal strut are assembled and affixed to the ball-screw drive;

Fig. 5 is a plan view, partially broken away and partially in section, of the base unit of the elevating table, illustrating the driving assembly;

Fig. 6 is a view partially in section taken along lines 6—6 of Fig. 5, illustrating the ball-screw and nut assembly within one of the pedestals and its driving arrangement;

Fig. 7 is an end view, illustrating the structure of the horizontal strut, at one end; and